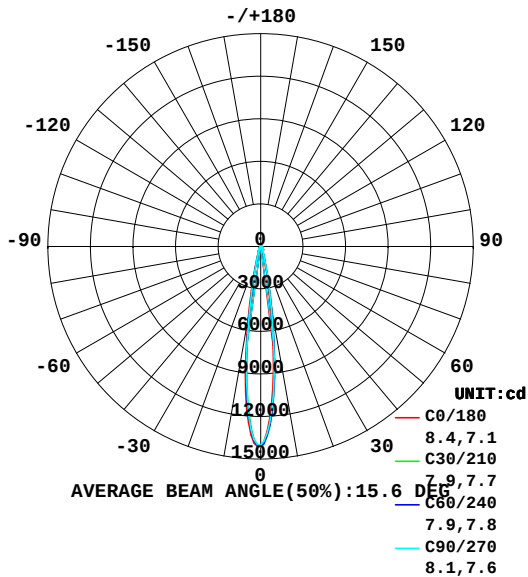


LUMINAIRE PHOTOMETRIC TEST REPORT

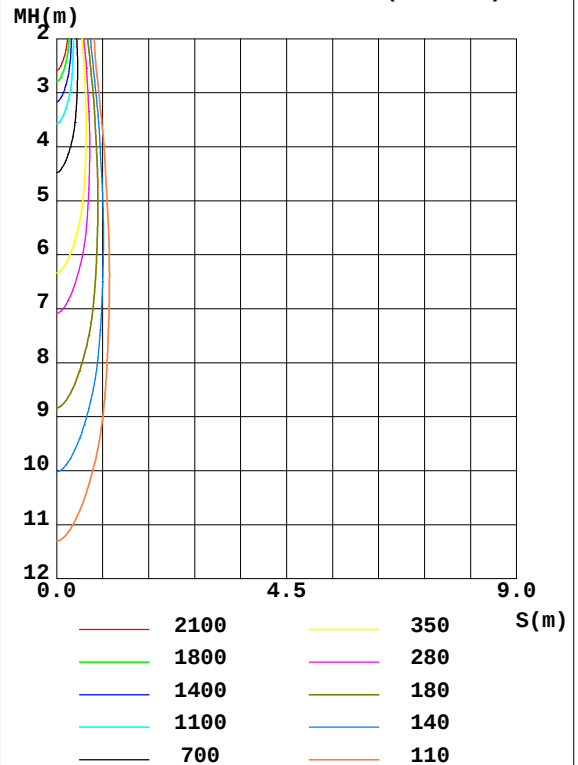
Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.44 lm/W			
MODEL	PS-TL20W40KD1580RA-D	Imax(cd)	14139	S/MH(C0/180)	0.25
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.26
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1832.1	η UP, DN(C0-180)	1.6, 46.0
NOMINAL FLUX(lm)	1832.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.7, 50.7
LAMPS INSIDE	1	η up(%)	3.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220.6	η down(%)	96.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

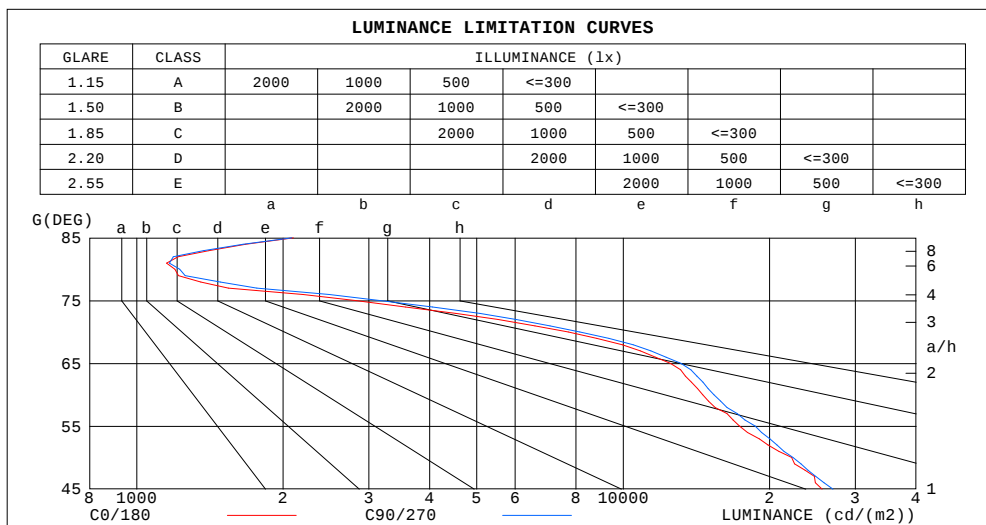
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	389.2	444.2	435.5	369.5	518.8	439.7	444.9	531.9	0- 10	897.4	897.4	44.1,44.1
20	54.26	61.71	62.31	55.76	61.80	56.99	58.00	64.42	10- 20	448.0	1255	68.5,68.5
30	28.91	30.38	30.43	28.69	30.68	28.26	28.63	32.16	20- 30	189.0	1444	78.8,78.8
40	14.82	15.69	15.80	14.60	15.98	14.49	14.48	15.82	30- 40	134.8	1579	86.2,86.2
50	8.565	9.004	8.619	8.375	8.899	8.721	8.648	9.191	40- 50	88.20	1667	91,91
60	4.369	4.598	4.608	4.457	4.920	4.582	4.746	4.999	50- 60	58.19	1726	94.2,94.2
70	1.582	1.684	1.672	1.525	2.210	2.015	2.175	2.338	60- 70	33.09	1759	96,96
80	0.1249	0.1312	0.1277	0.1256	0.5040	0.4998	0.5025	0.5022	70- 80	8.774	1767	96.5,96.5
90	0.1342	0.1312	0.1341	0.1395	0.4788	0.4777	0.4731	0.4707	80- 90	3.235	1771	96.6,96.6
100	0.1842	0.1784	0.1817	0.1912	0.4574	0.4559	0.4532	0.4515	90-100	3.400	1774	96.8,96.8
110	0.3281	0.3137	0.3220	0.3457	0.5072	0.5162	0.5131	0.5010	100-110	3.760	1778	97,97
120	0.6913	0.6693	0.6909	0.7331	0.7587	0.7820	0.7748	0.7455	110-120	5.490	1783	97.3,97.3
130	1.146	1.119	1.128	1.168	0.9789	0.9888	0.9863	0.9740	120-130	8.155	1792	97.8,97.8
140	1.530	1.498	1.493	1.532	1.334	1.374	1.360	1.311	130-140	9.409	1801	98.3,98.3
150	1.985	1.941	1.864	1.979	1.974	2.003	1.914	1.949	140-150	10.57	1811	98.9,98.9
160	2.621	2.547	2.301	2.566	2.576	2.564	2.310	2.516	150-160	10.23	1822	99.4,99.4
170	3.114	2.984	2.750	2.905	3.058	2.885	2.614	2.830	160-170	7.768	1830	99.9,99.9
180	2.530	2.389	2.236	2.260	2.532	2.391	2.229	2.262	170-180	2.595	1832	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.000m [K=0.7063]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2098	2082
80	1198	1225
75	2825	3170
70	7709	8147
65	12508	13137
60	14563	15360
55	17349	18679
50	22208	22348
45	25657	26986

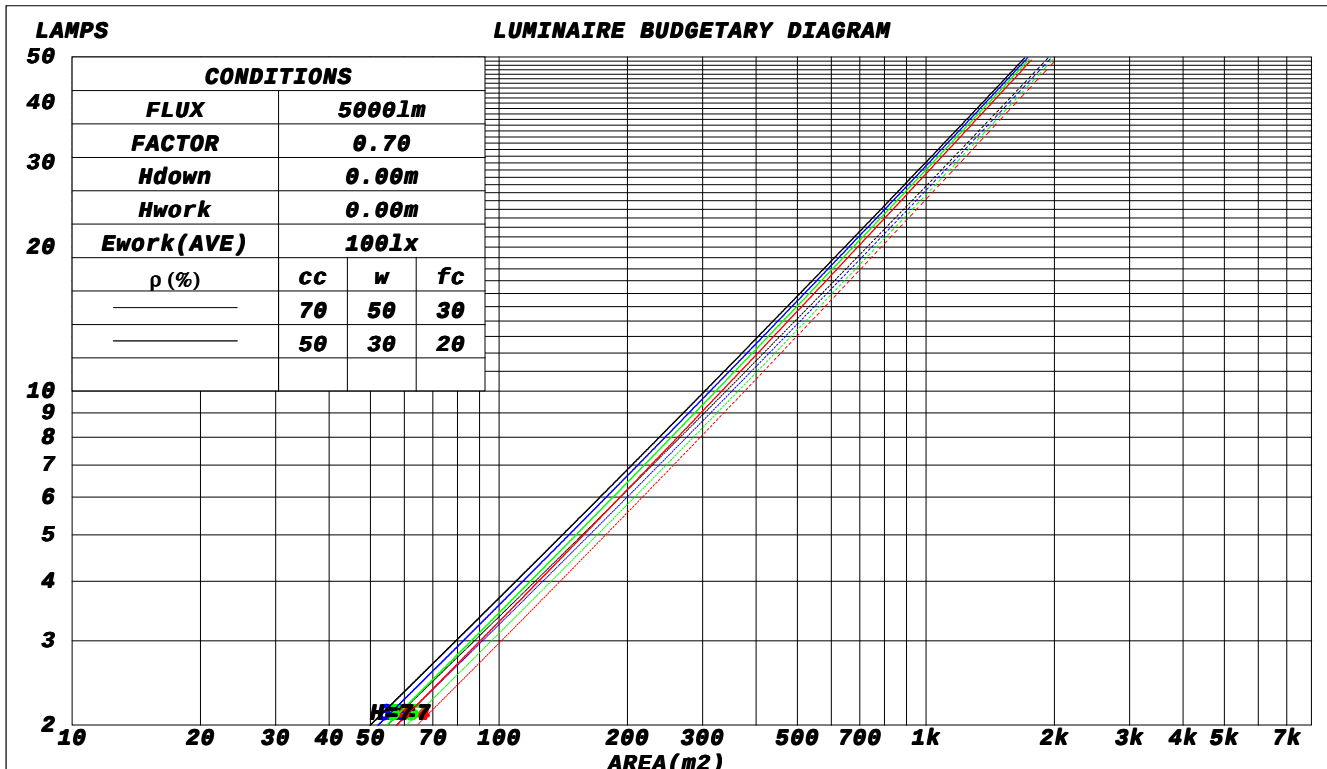
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE:LED	
MFR.:		

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	.99	.99	.98	.96	.95	.94	.92
2.0	1.05	1.01	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.84
4.0	.95	.90	.87	.94	.90	.86	.91	.88	.85	.89	.86	.84	.87	.84	.82	.81
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.82	.79	.78
6.0	.88	.83	.80	.87	.82	.79	.85	.81	.78	.83	.80	.78	.82	.79	.77	.76
7.0	.85	.80	.77	.84	.79	.76	.82	.79	.76	.81	.78	.75	.80	.77	.75	.73
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.73	.71
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.71	.77	.73	.71	.76	.73	.71	.70
10.0	.77	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.74	.71	.69	.68



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

WEC AND CCEC

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm											
NAME: PS-TL20W40KD1580RA-D						TYPE: LED					
MFR.:											

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.156	.089	.028	.148	.085	.027	.134	.077	.025	.121	.070	.022	.108	.063	.020	
2.0	.146	.080	.024	.139	.077	.024	.127	.071	.022	.116	.065	.020	.106	.060	.019	
3.0	.136	.072	.022	.130	.070	.021	.120	.065	.020	.110	.060	.019	.101	.056	.017	
4.0	.127	.066	.019	.122	.064	.019	.113	.060	.018	.105	.056	.017	.097	.053	.016	
5.0	.118	.060	.017	.114	.059	.017	.106	.055	.016	.099	.052	.016	.092	.049	.015	
6.0	.111	.056	.016	.107	.054	.016	.101	.052	.015	.094	.049	.014	.088	.046	.014	
7.0	.104	.052	.015	.101	.050	.014	.095	.048	.014	.090	.046	.013	.084	.044	.013	
8.0	.099	.048	.014	.096	.047	.013	.090	.045	.013	.085	.043	.012	.081	.041	.012	
9.0	.093	.045	.013	.091	.044	.012	.086	.043	.012	.081	.041	.012	.077	.039	.011	
10.0	.089	.042	.012	.086	.042	.012	.082	.040	.011	.078	.039	.011	.074	.037	.011	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.216	.216	.216	.185	.185	.185	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.195	.183	.172	.167	.157	.148	.114	.108	.103	.066	.063	.060	.021	.020	.019	
2.0	.179	.159	.142	.153	.136	.122	.105	.094	.085	.060	.055	.050	.019	.018	.016	
3.0	.165	.139	.119	.141	.120	.103	.097	.084	.073	.056	.049	.043	.018	.016	.014	
4.0	.153	.124	.103	.131	.108	.089	.090	.075	.063	.052	.044	.037	.017	.014	.012	
5.0	.143	.112	.090	.122	.097	.078	.084	.068	.055	.049	.040	.033	.016	.013	.011	
6.0	.134	.103	.080	.115	.089	.070	.079	.062	.049	.046	.037	.029	.015	.012	.010	
7.0	.126	.095	.072	.109	.082	.063	.075	.057	.045	.044	.034	.027	.014	.011	.009	
8.0	.119	.088	.066	.103	.076	.058	.071	.054	.041	.041	.032	.024	.013	.010	.008	
9.0	.114	.082	.061	.098	.071	.053	.068	.050	.038	.039	.030	.023	.013	.010	.007	
10.0	.108	.078	.057	.093	.067	.050	.065	.047	.035	.038	.028	.021	.012	.009	.007	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm										
NAME: PS-TL20W40KD1580RA-D					TYPE: LED					
MFR.:										
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.9	16.6	16.2	16.8	17.0	16.1	16.8	16.4	17.0	17.2
3H	16.3	17.0	16.6	17.2	17.5	16.5	17.2	16.8	17.5	17.7
4H	16.3	16.9	16.6	17.2	17.5	16.5	17.2	16.8	17.4	17.7
6H	16.2	16.8	16.5	17.1	17.4	16.4	17.0	16.8	17.3	17.6
8H	16.2	16.7	16.5	17.0	17.4	16.4	17.0	16.7	17.3	17.6
12H	16.1	16.7	16.5	17.0	17.3	16.3	16.9	16.7	17.2	17.6
4H 2H	16.2	16.8	16.5	17.1	17.3	16.3	17.0	16.7	17.3	17.5
3H	16.6	17.2	17.0	17.5	17.8	16.8	17.4	17.2	17.7	18.0
4H	16.6	17.1	17.0	17.5	17.8	16.8	17.3	17.2	17.7	18.0
6H	16.5	17.0	16.9	17.3	17.8	16.7	17.1	17.1	17.5	17.9
8H	16.4	16.9	16.9	17.3	17.7	16.6	17.1	17.1	17.5	17.9
12H	16.4	16.8	16.9	17.2	17.7	16.6	17.0	17.0	17.4	17.9
8H 4H	16.5	16.9	16.9	17.3	17.7	16.7	17.1	17.1	17.5	17.9
6H	16.4	16.7	16.9	17.2	17.7	16.6	16.9	17.0	17.4	17.8
8H	16.3	16.6	16.8	17.1	17.6	16.5	16.8	17.0	17.3	17.8
12H	16.3	16.5	16.8	17.0	17.6	16.5	16.7	17.0	17.2	17.8
12H 4H	16.4	16.8	16.9	17.2	17.7	16.6	17.0	17.1	17.4	17.9
6H	16.3	16.6	16.8	17.1	17.6	16.5	16.8	17.0	17.3	17.8
8H	16.3	16.5	16.8	17.0	17.6	16.4	16.7	17.0	17.2	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.3					+ 0.9 / - 1.3				
1.5H	+ 0.9 / - 0.8					+ 0.9 / - 0.8				
2.0H	+ 1.3 / - 1.3					+ 1.4 / - 1.2				

CIE Pub.117, 1832 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		

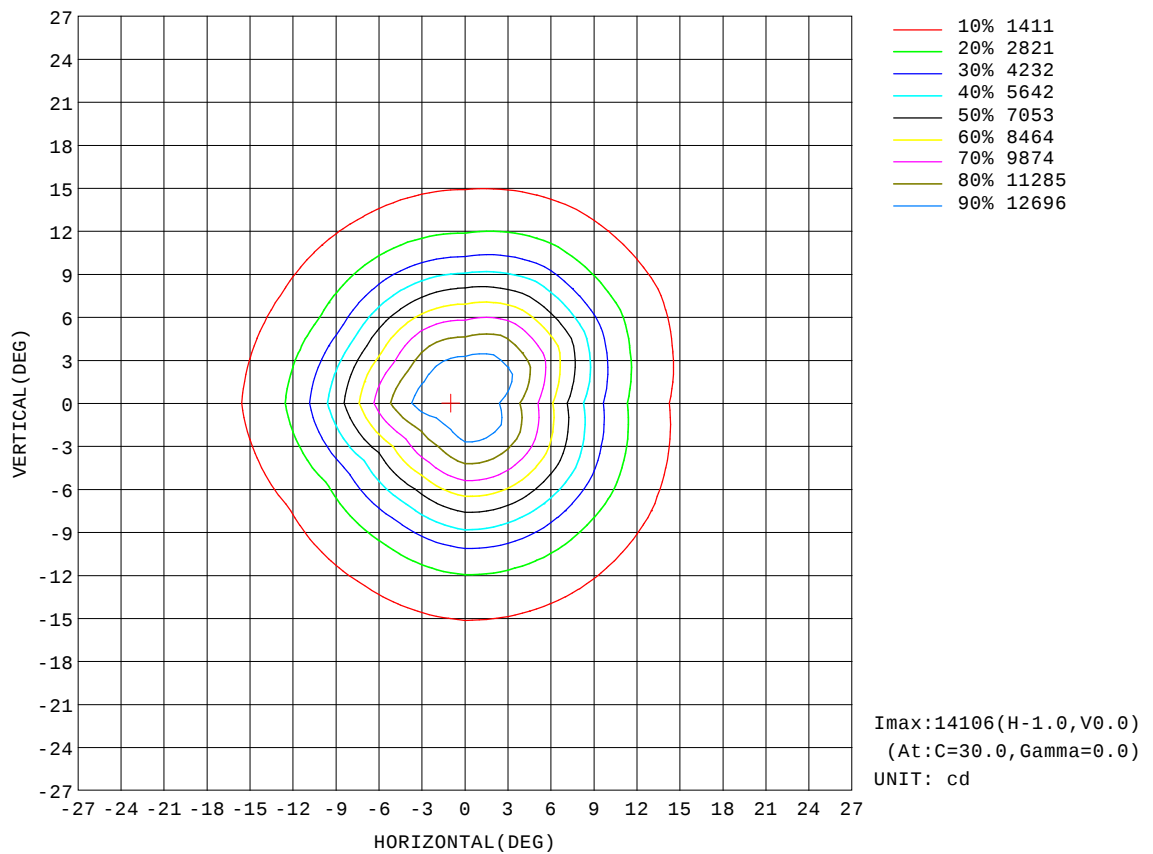
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	82	76	72	81	75	71	68
0.80	91	84	80	90	84	80	88	83	79	75
1.00	96	89	85	94	89	85	92	88	84	80
1.25	100	94	90	99	93	90	96	92	89	84
1.50	103	98	94	101	97	93	99	95	92	86
2.00	106	101	98	104	100	97	101	98	95	89
2.50	108	104	100	106	102	99	102	99	97	90
3.00	110	106	103	108	104	102	104	101	99	91
4.00	112	109	106	110	107	105	105	103	102	93
5.00	113	111	109	111	109	107	106	105	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		

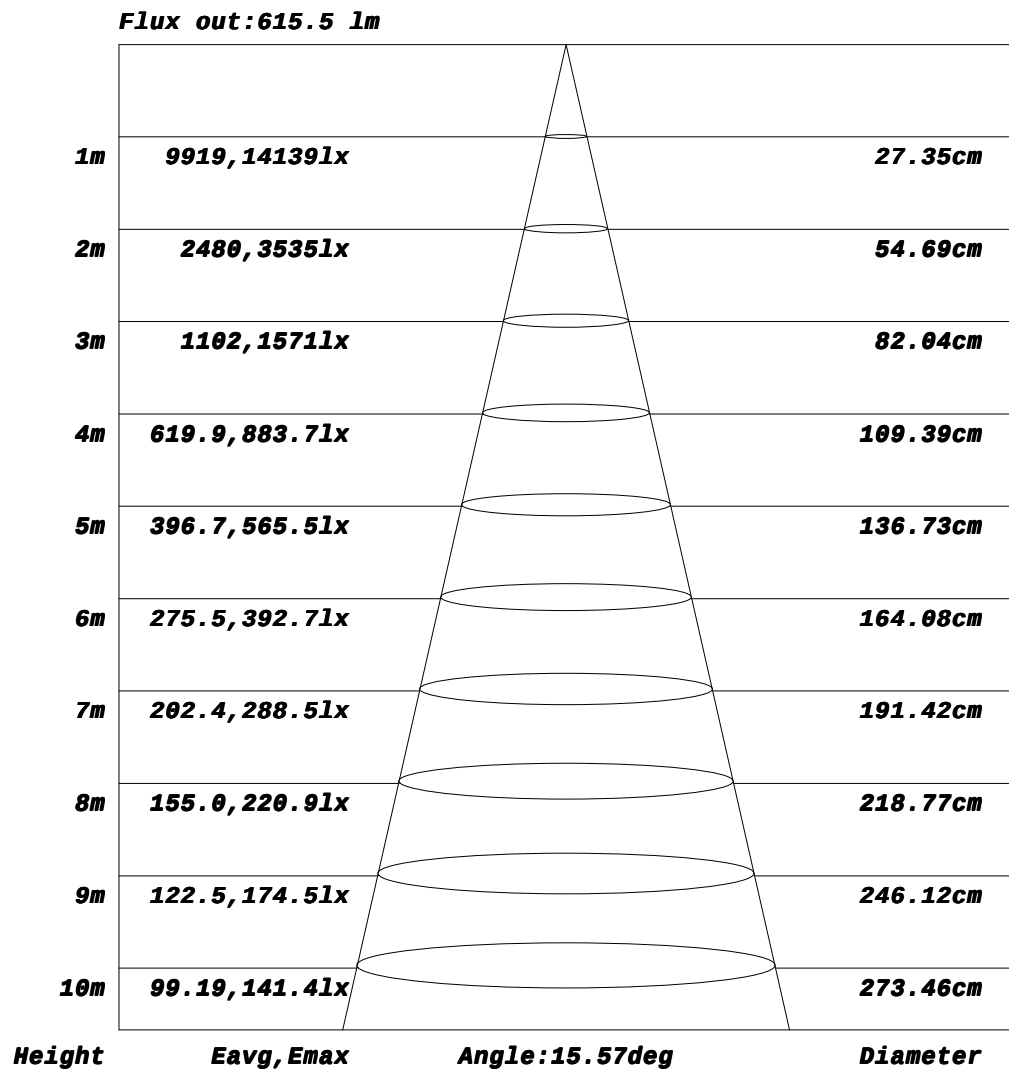


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

AAI Figure

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		



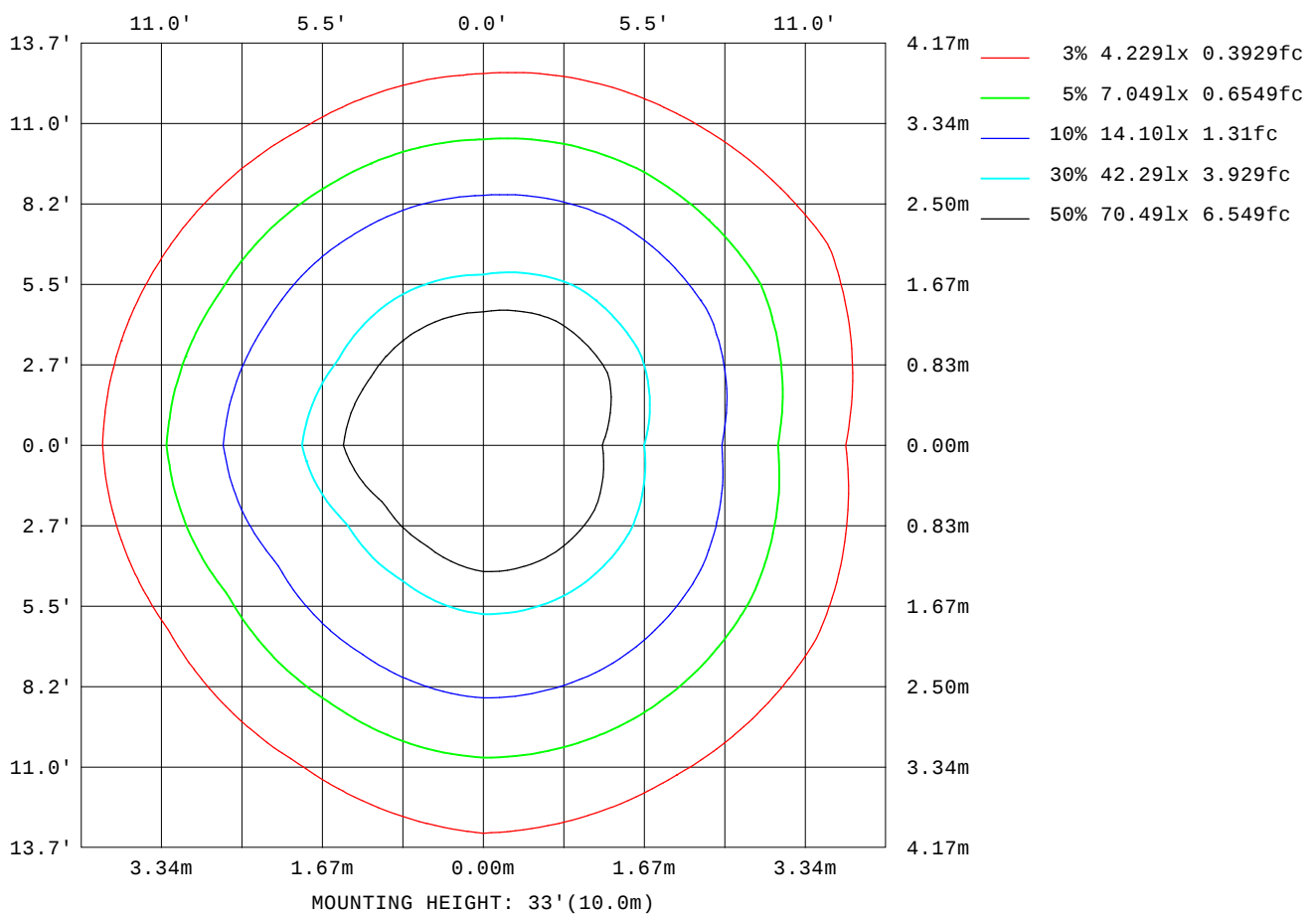
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOLUX DIAGRAM

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LED Avg.L Report

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		

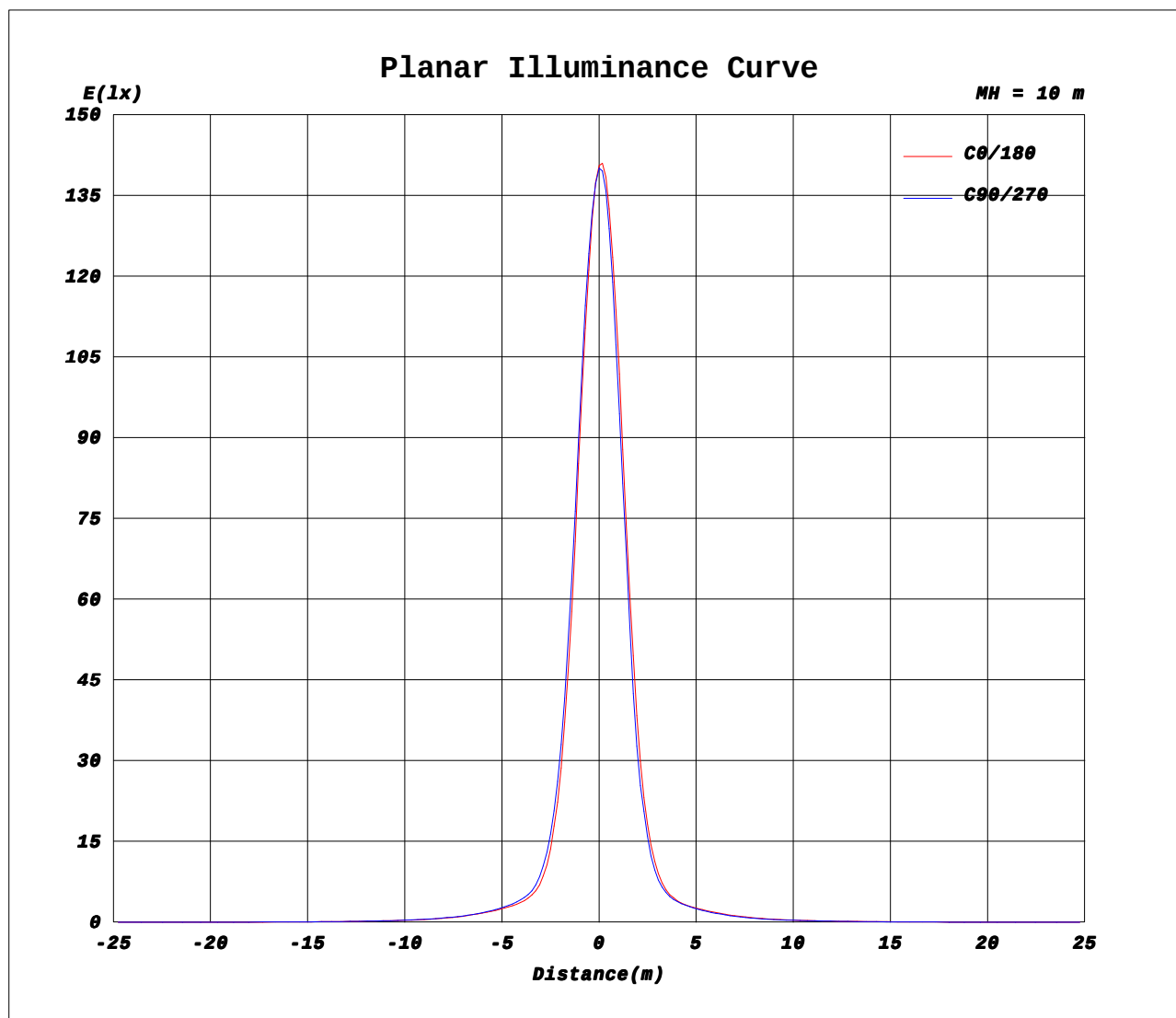
AvgL	cd/m2
L_0~180(65)av	13543
L_0~180(75)av	4477
L_0~180(85)av	5598
L_90~270(65)av	13474
L_90~270(75)av	4611
L_90~270(85)av	5555
L_45(65)av	13471
L_45(75)av	4441
L_45(85)av	5563

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.50V I:0.0960A P:19.400W PF:0.9180 Freq:50.00Hz Lamp Flux:1832.1x1 lm		
NAME: PS-TL20W40KD1580RA-D	TYPE: LED	
MFR.:		

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1405	1414	1410	1400	1384	1391	1405	1414	1410	1400	1384	1391						
5	1000	1058	1059	1040	969	963	1151	1075	1099	1085	1173	1160						
10	389	442	447	436	374	365	519	431	449	445	542	522						
15	119	141	146	145	126	119	160	136	134	137	159	162						
20	54.3	61.5	61.9	62.3	56.2	55.3	61.8	57.7	56.2	58.0	62.5	66.4						
25	38.4	41.9	41.0	42.0	39.3	39.0	40.4	39.5	36.9	39.1	41.8	45.5						
30	28.9	30.5	30.2	30.4	28.7	28.7	30.7	28.7	27.8	28.6	31.5	32.8						
35	20.8	21.9	22.0	21.8	20.7	20.1	22.4	20.2	20.4	20.4	22.9	22.6						
40	14.8	15.2	16.2	15.8	15.0	14.2	16.0	14.3	14.7	14.5	16.2	15.5						
45	10.9	11.2	11.8	11.4	11.0	10.7	11.6	10.7	10.8	10.9	11.8	11.6						
50	8.57	8.90	9.10	8.62	8.44	8.31	8.90	8.78	8.66	8.65	9.11	9.27						
55	5.97	6.36	6.50	6.43	6.10	6.13	6.80	6.36	6.12	6.28	6.67	6.79						
60	4.37	4.56	4.63	4.61	4.42	4.50	4.92	4.64	4.53	4.75	5.01	4.99						
65	3.17	3.34	3.34	3.33	3.13	3.24	3.70	3.49	3.40	3.50	3.70	3.70						
70	1.58	1.69	1.68	1.67	1.50	1.55	2.22	2.01	2.02	2.18	2.38	2.30						
75	0.44	0.49	0.49	0.49	0.41	0.43	0.95	0.86	0.88	0.94	1.00	0.97						
80	0.12	0.13	0.13	0.13	0.12	0.13	0.50	0.50	0.50	0.50	0.51	0.50						
85	0.11	0.11	0.11	0.11	0.11	0.11	0.48	0.48	0.48	0.47	0.47	0.47						
90	0.13	0.13	0.13	0.13	0.14	0.14	0.48	0.48	0.48	0.47	0.47	0.47						
95	0.16	0.15	0.15	0.16	0.16	0.16	0.47	0.47	0.47	0.46	0.46	0.46						
100	0.18	0.18	0.18	0.18	0.19	0.19	0.46	0.46	0.45	0.45	0.45	0.45						
105	0.24	0.23	0.23	0.23	0.24	0.25	0.47	0.47	0.47	0.46	0.46	0.46						
110	0.33	0.31	0.31	0.32	0.34	0.35	0.51	0.52	0.52	0.51	0.50	0.50						
115	0.48	0.46	0.46	0.48	0.51	0.52	0.60	0.62	0.62	0.61	0.59	0.59						
120	0.69	0.67	0.67	0.69	0.73	0.74	0.76	0.78	0.78	0.77	0.75	0.74						
125	0.92	0.90	0.91	0.92	0.96	0.97	0.91	0.93	0.93	0.92	0.90	0.90						
130	1.15	1.12	1.12	1.13	1.17	1.17	0.98	0.99	0.99	0.99	0.98	0.97						
135	1.34	1.31	1.31	1.31	1.34	1.35	1.07	1.10	1.10	1.09	1.07	1.06						
140	1.53	1.50	1.49	1.49	1.52	1.54	1.33	1.37	1.37	1.36	1.32	1.31						
145	1.74	1.71	1.69	1.68	1.73	1.74	1.67	1.71	1.70	1.68	1.65	1.64						
150	1.98	1.95	1.93	1.86	1.97	1.99	1.97	2.01	2.00	1.91	1.95	1.95						
155	2.28	2.24	2.21	2.06	2.24	2.28	2.26	2.29	2.27	2.10	2.23	2.23						
160	2.62	2.58	2.52	2.30	2.52	2.62	2.58	2.59	2.53	2.31	2.50	2.53						
165	2.96	2.91	2.80	2.58	2.75	2.93	2.88	2.88	2.74	2.53	2.73	2.80						
170	3.11	3.06	2.91	2.75	2.80	3.01	3.06	2.99	2.78	2.61	2.77	2.89						
175	2.80	2.76	2.63	2.52	2.46	2.62	2.83	2.72	2.51	2.38	2.47	2.59						
180	2.53	2.46	2.32	2.24	2.21	2.31	2.53	2.45	2.33	2.23	2.21	2.31						

C Range: 0 - 360DEG
C Interval: 30.0DEG
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Operators: DAMIN
Test Date: 2018-11-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: